

Work Permit # (K-04-2)Work Order # \_\_\_\_\_ Activity# \_\_\_\_\_

. Work requester fills out thi		☐ Standing Work Permit		
riequester. P. Kroon	ster: P. Kroon Date: 9/9/04 Ext.: 5/14 Dept/Div/Group: PO/PiteN			
Other Contact person (if differen	it from requester): 5%	MARINO Ext.: 3704		
Work Control Coordinator:	P. Kroon	Start Date: 9/9/04 Est. End Date: 9/1		
Brief Description of Work:	MAINTENANCE	(TETT, repair) ele	Tronics in MA	
Building: 1008	Room: LX	Equipment: 4/	Service Prov	rider: Deterrix
		/ / /		17467418
	Service Provider, and ES&H (	as necessary) fill out this section o	or attach analysis	
ES&H ANALYSIS				
Radiation Concerns	Tone	☐ Airborne	☐ Contamination	☐ Radiation ☐ Other
☐ Special nuclear materials inv	volved, notify Isotope Special Ma	aterials Group		involved, notify Laboratory Criticality Officer
Safety Concerns	. ☐ None	☐ Ergonomics	☐ Transport of Haz/Rad Material	
☐ Adding/Removing	Confined Space*	☐ Explosives	☐ Lead*	☐ Penetrating Fire Walls
Walls or Roofs	Corrosive	☐ Flammable	☐ Magnetic Field*	☐ Pressurized Systems
☐ Asbestos*	☐ Cryogenic	Fumes/Mist/Dust*	Material Handling	Rigging/Critical Lift
☐ Beryllium*	Electrical	Heat/Cold Stress	☐ Noise*	Toxic Materials*
Biohazard*	Elevated Work*	Hydraulic	☐ Non-ionizing Radiatio	
Chemicals*	Excavation	Lasers*	Oxygen Deficiency*	
	<u>. –                                   </u>	the Occupational Medicine Clinic?		Other
	clearance of surveillance from the	None		
Atmospheric Discharges (rac			☐ Work impacts Enviror	
		Land Use	Soil activation/contam	
Chemical or Rad Material St	orage or Use	Liquid Discharges	☐ Waste-Clean	☐ Waste-Radioactive
Cesspools (UIC)	,	Oil/PCB Management	☐ Waste-Hazardous	☐ Waste-Regulated Medical
High water/power consumpti	ion	Spill potential	☐ Waste-Industrial	Underground Duct/Piping
Waste disposition by:				☐ Other
Pollution Prevention (P2)/Wast		■ None □ Yes		
FACILITY CONCERNS	None		· · · · · · · · · · · · · · · · · · ·	·
Access/Egress	Electrical Noise	Potential to Cause a False Ala		☐ Vibrations
Limitations	Impacts Facility Use Agre		☐ Temperature Change	☐ Other
☐ Configuration Control	☐ Maintenance Work on Ve		Utility Interruptions	
WORK CONTROLS	4、1000年,1000年,1000年,1000年,1000年,1000年,1000年,1000年,1000年,1000年,1000年,1000年,1000年,1000年,1000年,1000年,1000年,1000年,			
Work Practices				
☐ None	Exhaust Ventilation	Lockout/Tagout	☐ Spill Containment	Security (see Instruction Sheet)
☐ Back-up Person/Watch	☐ HP Coverage	☐ Posting/Warning Signs	☐ Time Limitation	☐ Other
☐ Barricades	☐ IH Survey	☐ Scaffolding-requires	☐ Warning Alarm (i.e. "h	inh lavel*
	<u> </u>	inspection		<u> </u>
Protective Equipment	1			
None	☐ Ear Plugs	Gloves	Lab Coat	☐ Safety Glasses
Coveralis	Ear Muffs	Goggles	Respirator	Safety Harness
☐ Disposable Clothing	Face Shield	☐ Hard Hat	☐ Shoe Covers	Safety Shoes Other
Permits Required (Permits must	·	The state of the s		
None	☐ Cutting/Welding	Impair Fire Protection Systems	S	
☐ Concrete/Masonry Penetration	☐ Digging/Core Drilling	Rad Work Permit-RWP No		
Confined Space Entry	☐ Electrical Working Hot	C Othor		
	Li Electrical Working Hot	☐ Other	The second secon	
Dosimetry/Monitoring				
None	Heat Stress Monitor Noise	Real Time Monitor	☐ TLD	
☐ Air Effluent	Survey/Dosimeter	Self-reading Pencil Dosimeter	☐ Waste Characterizatio	n
П с	· · · · · · · · · · · · · · · · · · ·	Self-reading Digital	<u> </u>	777.12
Ground Water	O2/Combustible Gas	Dosimeter	☐ Other	
☐ Liquid Effluent	Passive Vapor Monitor	Sorbent Tube/Filter Pump		
Training Requirements (List belo	ow specific training requirements	s)		
<del></del>	FALL PROTECTION	The second secon		
Based on analysis above, the V	Valkdown Team determines th	e risk, complexity, and	If using the permit when	all hazard ratings are low, only the following need
coordination ratings below:		<u> </u>	to sign: (Although allow	ed, there is no need to use back of form)
:S&H Risk Level:	Low   Moderate	☐ High	WCC: Pole 100	Date: 9/9/04
Complexity Level:	☐ Low ☐ Moderate	High	Service Provider:	Date:
Work Coordination:	Low   Moderate	☐ High	Authorization to start	Date: 9/9/04
		·	(Departmental Sun/WCC/D	

Work Plan (procedures, timing, equipm		d to be addressed):	1	
	<u> </u>	ATTACHED -		
Special Working Conditions Required:				
Operational Limits Imposed:				
Post Work Testing Required:				
Job Safety Analysis Required: Yes	□ No	Walkdown Red	quired: Yes No	
Reviewed by: Primary Reviewer will do that the hazards and risks that could im	elermine the size of the review lear	n and the other signatures required	based on hazards and job complexit	Primary Reviewer signature means
Title	Name (print)	Signature	Life#	Date
Primary Reviewer	Charle services and			<u>Suv</u>
ES&H Professional				
Other				
Other				
Work Control Coordinator				
Service Provider	4			
	Review Done: In series	☐ team		Matt. 11
				, , , , , , , , , , , , , , , , , , ,
4. Job site personnel fill out this sec				
Note: Signature indicates personnel per	forming work have read and under		The state of the s	
Job Supervisor:		Contractor Sup	ervisor:	
Workers:	Life#:	Workers :	Life#:	
Workers are encouraged to provide feed	back on ES&H concerns or on idea	as for improved job work flow. Use t	eedback form or space below.	
5. Departmental Job Supervisor, Wo	rk Control Coordinator/Designee			
Conditions are appropriate to start work:			ly for job.)	
Name:	Signature:	Life#:	Date:	
C D				
<ol><li>Departmental Job Supervisor, Wo Post Job Review (Fill in names of review</li></ol>		es it Post Job Review is required.	∐ Yes ∐ No	Tanan ing Kabupatèn Bandan Bandan Bandan Bandan Banda
Name:	Signature:	Life#:		
Name:	Signature:	Life#.	Date:	
Home.	Olynature.	LIICH.	Date:	
7. Worker provides feedback.				
Worker Feedback (use attached sheets a a) WCM/WCC: Is any feedback required				
b) Workers: Are there better methods o	r safer ways to perform this job in t	he future? 🔲 Yes 🗍 No		
8. Closeout: Work Control Coordinat delegate clean up of work area to wor	or (authorizing dept.) checks quark supervisor	ality of completed permit and ens	eres the work site is left in an acce	ptable condition. (WCC can
delegate clean up or work area to wol	Signature:	Life#:	Date:	
Comments:	1 -3	Linon	Loate.	

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WPH	PR-114-	,

Remove and Repair electronic cards from C-link/G-link crates on south muon magnet in PHENIX IR, Bldg. 1008.

This work is to be done during the '04 RHIC shutdown period, by fully trained and experienced personnel. Since the crates are located on the back of the south muon magnet (MMS) at heights of up to 26 feet, the vertical man-lift will be moved into the IR for this job, and removed upon completion. No flammable gas will be present in detectors in the IR. All work in the IR will be supervised by Sal Marino.

- Roll the vertical man lift into the IR through the large rolling door opening and place it behind the MMS (Marino).
- Ensure that the MMS magnet power key is locked out of use (Marino)).
- Ensure that the 12-ton IR Crane is locked out (Marino).
- Position the vertical man lift and use it to access the crates (Marino, O.Drapier, I. Younus).
- Work will involve test, removal, repair and replacement of defective cards as required (Drapier, Younus).
- Upon completion of the work, the man lift will be removed from the IR (Marino).